

Title (en)  
BLOOD DONATION APPARATUS AND METHOD

Publication  
**EP 0063929 A3 19830420 (EN)**

Application  
**EP 82302081 A 19820423**

Priority  
US 25669481 A 19810423

Abstract (en)  
[origin: EP0063929A2] A phlebotomy needle (24) is coupled on one conduit (11) to a source of anticoagulant contained in a flexible bag (2) and on another conduit (12) to a flexible collection bag (1). The bags (1, 2) are placed in a vacuum chamber (6) within which a vacuum is created, by a hand pump (60) operated by the donor (22). A rigid plate (4) is disposed between the two bags (1, 2). The blood flow from the donor is maintained at an adequate flow level by the donor's pumping which provides a pressure differential between the blood collection bag (1) and the needle (24). The whole blood is mixed with anticoagulant in a Y-junction device (26) immediately after passing through the phlebotomy needle. The ratio of whole blood to anticoagulant is independent of the volume of whole blood collected and is fixed by the ratio of the surface areas of the bags (1, 2) in contact with the plate (4). The anticoagulant may be gravity fed from a bottle (618) if desired. In this event the chamber (6) contains solely the blood collection bag.

IPC 1-7  
**A61M 1/02**

IPC 8 full level  
**A61M 1/02** (2006.01); **A61M 1/36** (2006.01); **A61M 1/00** (2006.01)

CPC (source: EP US)  
**A61M 1/3672** (2013.01 - EP US); **A61M 1/02** (2013.01 - EP US); **A61M 1/68** (2021.05 - EP US)

Citation (search report)

- [Y] DE 2745041 A1 19780413 - HAEMONETICS CORP
- [Y] US 2999500 A 19610912 - FRIEDRICH SCHURER
- [A] EP 0001074 A1 19790321 - SCHI WA ARZNEIMITTEL [DE]
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- [A] US 4197196 A 19800408 - PINKERTON HARRY [US]
- [A] FR 2371958 A1 19780623 - GAMBRO AB [SE]

Designated contracting state (EPC)  
AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0063929 A2 19821103; EP 0063929 A3 19830420**; AU 8254482 A 19821028; DK 178282 A 19821024; ES 511588 A0 19830701; ES 8307504 A1 19830701; JP S57180961 A 19821108; US 4425114 A 19840110

DOCDB simple family (application)  
**EP 82302081 A 19820423**; AU 8254482 A 19820413; DK 178282 A 19820422; ES 511588 A 19820422; JP 6855382 A 19820423; US 25669481 A 19810423